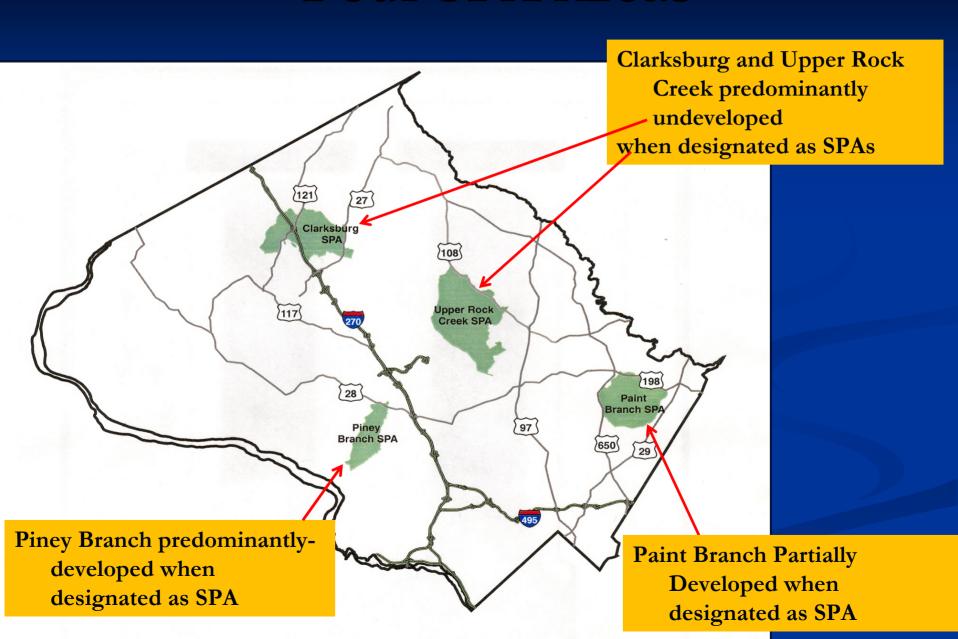


Notes From The Field



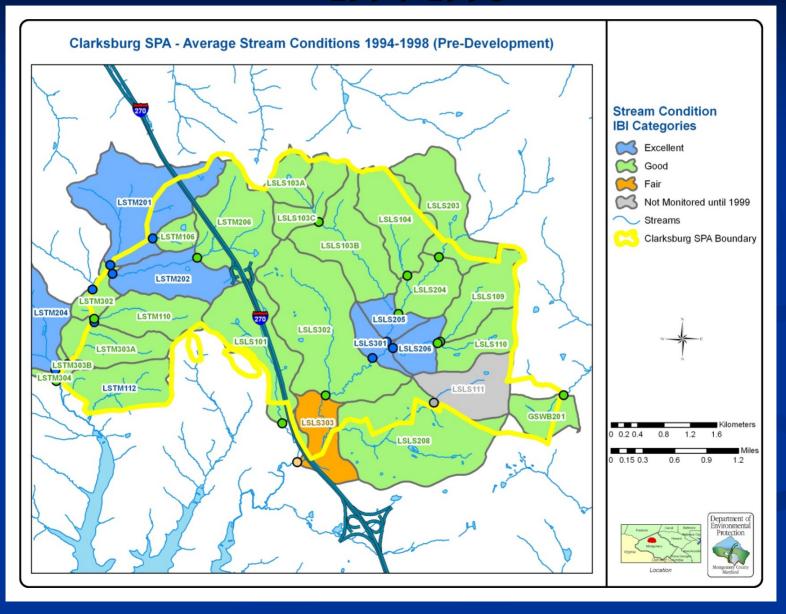
Four SPA Areas



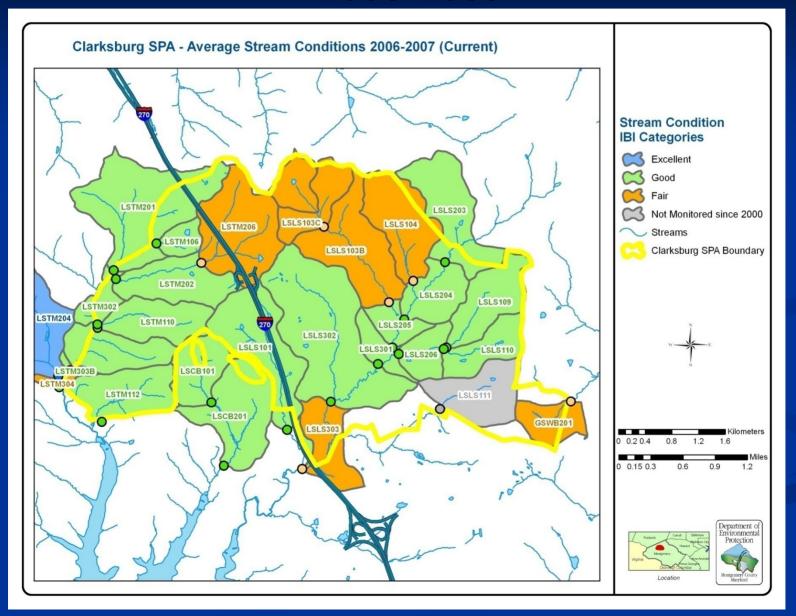
SPA REPORTS

- 9 Annual Reports issued
 - www.montgomerycountymd.gov/DEP
- Report on:
 - Stream quality (biological health assessment)
 - **■** BMP effectiveness
 - Effects of construction and development on streams
- Reports contain findings and recommendations

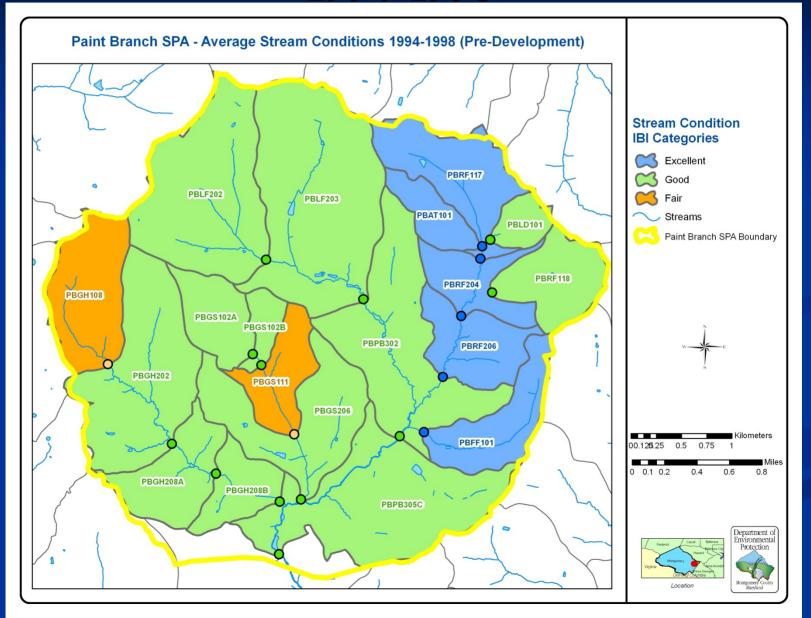
Clarksburg Stream Conditions: 1994-1998



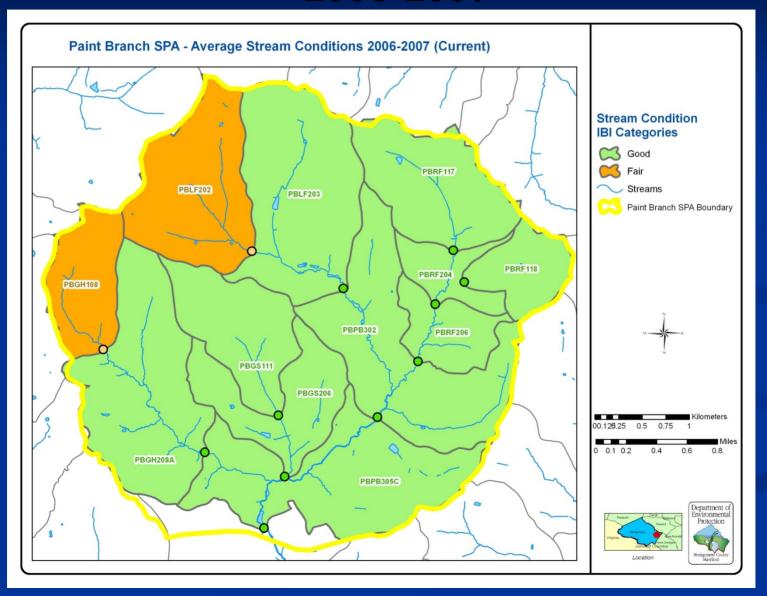
Clarksburg Stream Conditions: 2006-2007



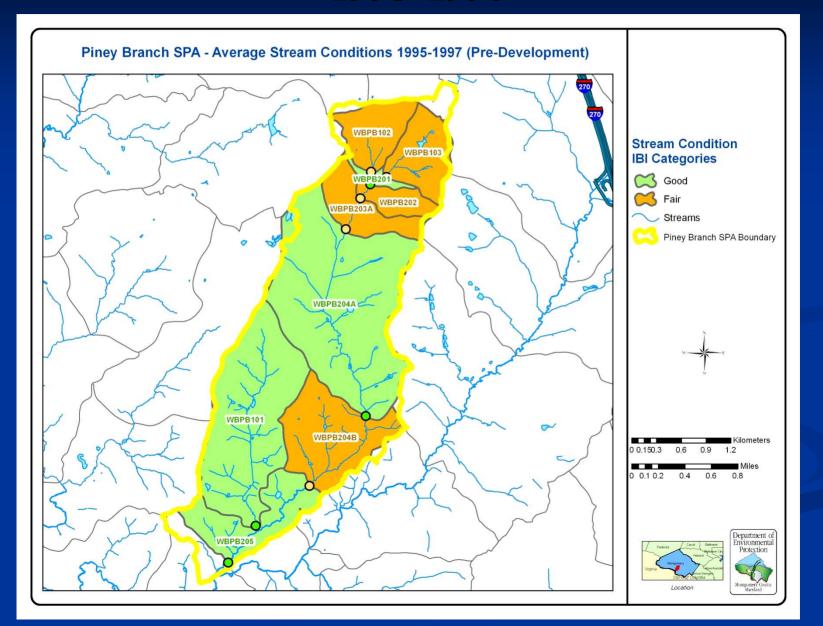
Paint Branch Stream Conditions: 1994-1998



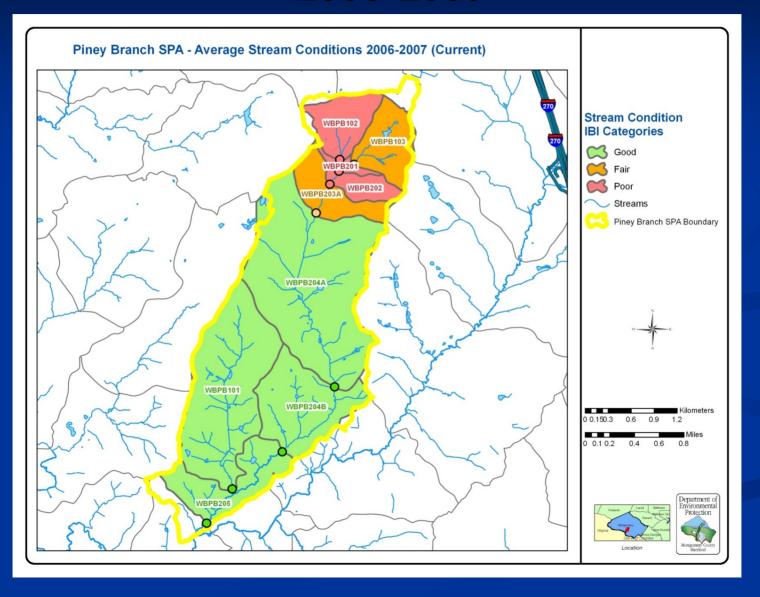
Paint Branch Stream Conditions: 2006-2007



Piney Branch Stream Conditions: 1995-1997



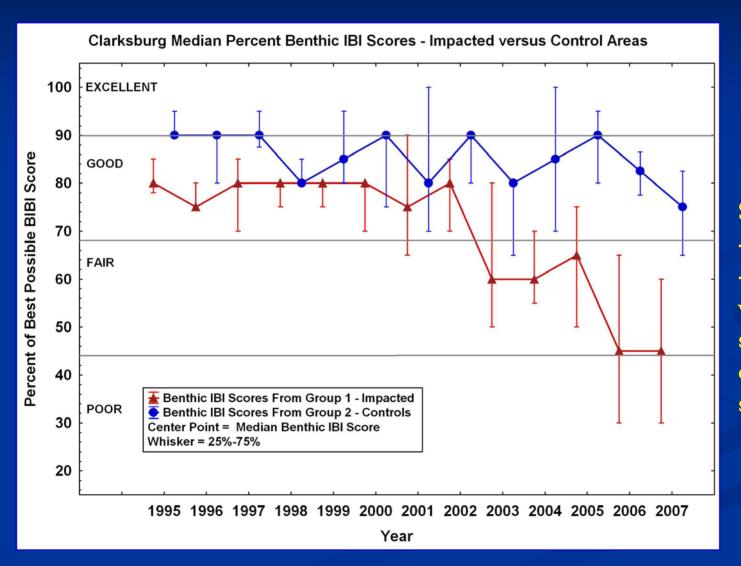
Piney Branch Stream Conditions: 2006-2007



Streams Conditions 101

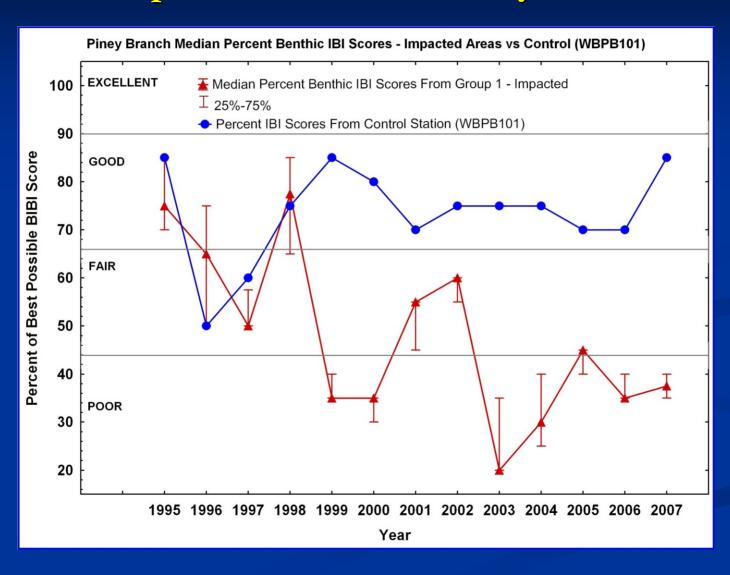


IBI scores of developed watersheds statistically different from undeveloped watersheds in Clarksburg

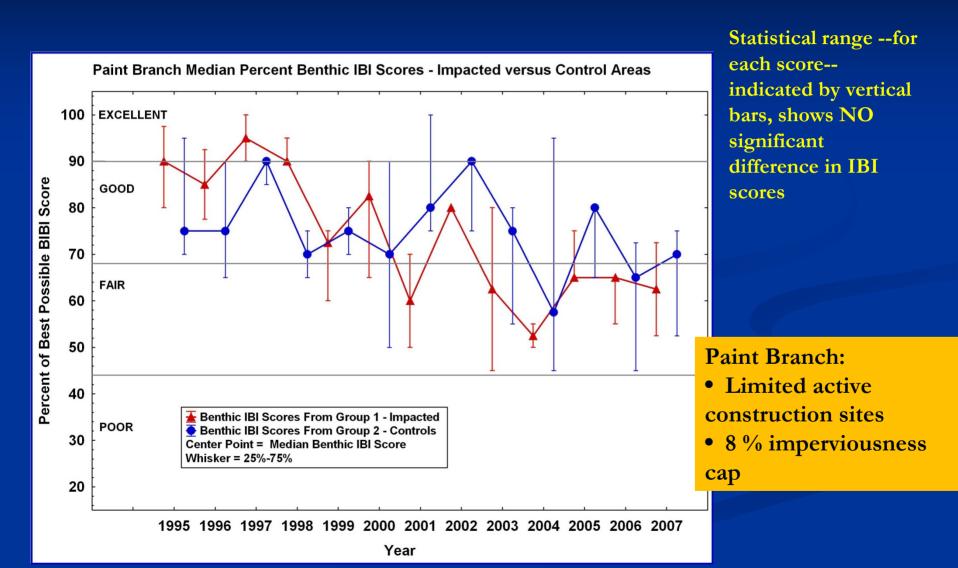


Statistical range
--for each score- indicated by
vertical bars,
show significant
difference in IBI
scores

IBI scores of developed watersheds statistically different from undeveloped watersheds in Piney Branch

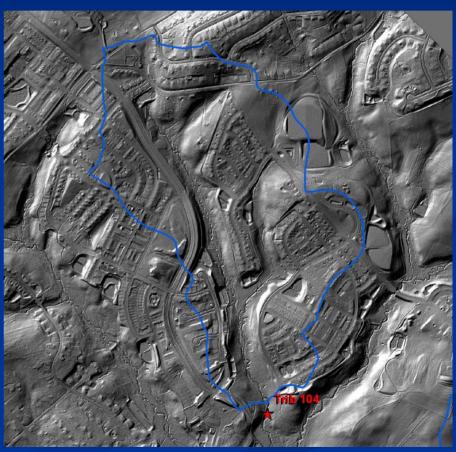


IBI scores of developed watersheds not statistically different from undeveloped watersheds in Paint Branch

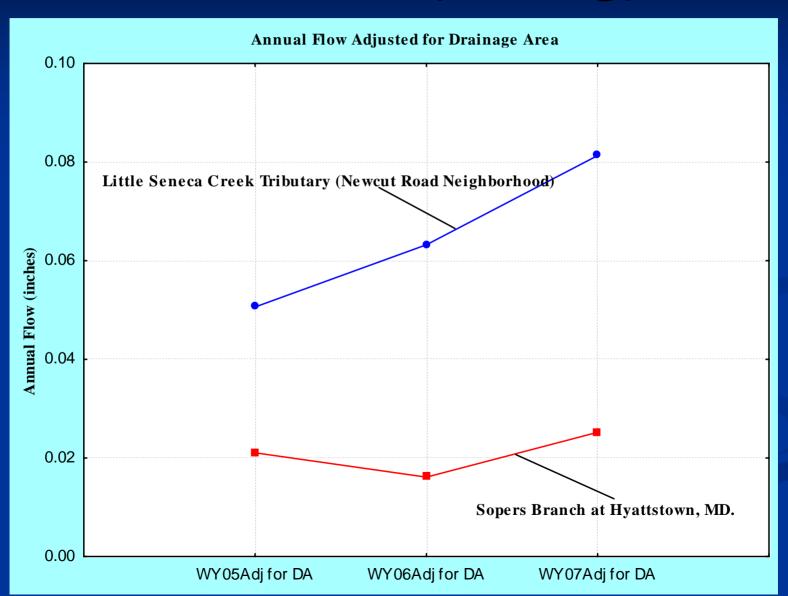


Minimize Cut and Fill



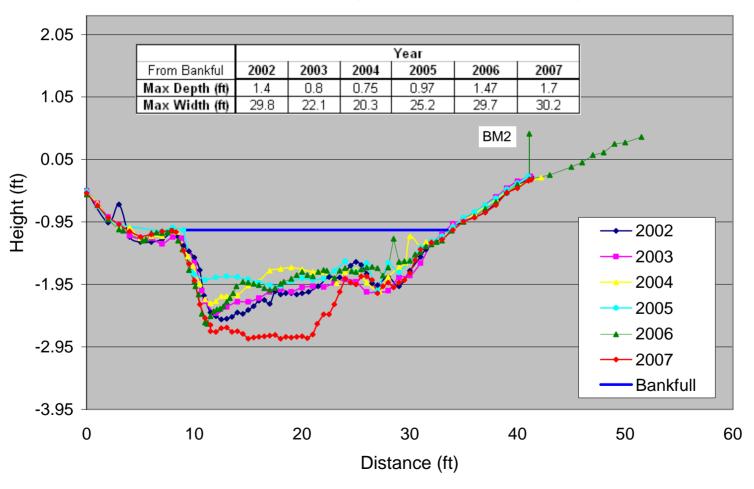


Maintain Hydrology



Minimize Channel Disturbance

Little Seneca 104 Tributary - Newcut Road Neighborhood Test Location (Area 4, cross section 1)



For Consideration

- The development process permanently changes the character of the landscape. These changes are cumulative
- No Imperviousness threshold
- BMPs are performing as expected.
- BMP efficiency is not correlating to the health of the stream based on its biological health.
- Data, at this point in the development process, can't fully evaluate if the watershed will recover from the effects documented during construction.

Questions?

